CLAIMS

What is claimed is:

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1. An anti-rotation lock for preventing circumferential movement of a
stator segment in relation to a gas turbine engine split case to which
it is mounted, comprising:

a split case;

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a pocket disposed within said case at a location thereon
proximate to said vane segment;

a lug, received within said pocket and protruding inwardly
from an inner surface of said case and engagable by said vane
segment to prevent circumferential movement thereof with

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respect to said case; and

a spring pin received within said pocket and engaged with said
lug to compressively retain said lug within said pocket.

2. The anti-rotation lock of claim 1, wherein:

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said lug overhangs said pocket, extending beyond said spring
pin in the circumferential direction.

3. The anti-rotation lock of claim 2, wherein:

said lug further comprises an innermost radial face and an

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outermost radial face; and

each of said faces are chamfered about at least a portion of
their periphery.

4. The anti-rotation lock of claim 3, wherein:

      said case further comprises at least one pair of

      circumferentially extending and axially spaced apart rails,

5   protruding inward from the inner surface and forming

      a corresponding pair of grooves for accepting the stator

      segment in a sliding arrangement.

5. The anti-rotation lock of claim 4, wherein:

10   said spring pin further comprises an outer diameter; and

      the outer diameter is larger than a circumferential width of

      said pocket prior to being received in said pocket.

6. The anti-rotation lock of claim 5, wherein:

15   said spring pin further comprises a hollow cylinder, split

      lengthwise by a linear slot.

7. The anti-rotation lock of claim 6, wherein:

      said slot is helical.

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8. The anti-rotation lock of claim 6, wherein:

      said lug further comprises a recess, positioned between the

      innermost and the outermost faces and adjacent to the received

      spring pin.

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9. The anti-rotation lock of claim 8, wherein:

      the recess is concave and corresponds to the outer diameter of

      said received spring pin.